

## ATTACHMENT D

### Revised Definitions For Coated Steel Sheet For HS Bands

1. Electrogalvanized steel sheet and coil, whether or not including chromate or a chromate-free coating, with the following specifications:
  - Tensile Strength: 45-49 kg/mm<sup>2</sup>
  - Yield Point: 33-37 kg/mm<sup>2</sup>
  - Magnetic Properties: 450μ or more
  - Zn-Ni alloy electroplating
  - Coating weights: Zn = 17 g/m<sup>2</sup> min. and (if applicable) Cr = 20-60 mg/ m<sup>2</sup>
  - Thickness Tolerance: ± 5%
  - Chemical Composition (%): C = 0.07 max., Si = 2.0 max., Mn = 2.0 max., P = 0.15 max., S = 0.02 max.
2. Electrogalvanized steel sheet and coil, whether or not including chromate or a chromate-free coating, with the following specifications:
  - Tensile Strength: 45-49 kg/mm<sup>2</sup>
  - Yield Point: 33-37 kg/mm<sup>2</sup>
  - Magnetic Properties: 450μ or more
  - Zn-Ni alloy electroplating
  - Coating Weights: Zn = 17 g/m<sup>2</sup> min.
  - If applicable, special chromate treatment with a thickness of film of 0.2-0.8 μm
  - Thickness Tolerance: ± 5%
  - Chemical Composition (%): C = 0.07 max., Si = 2.0 max., Mn = 2.0 max., P = 0.15 max., S = 0.02 max.
3. High strength electrolytic zinc coated silicon steel sheets and strips, whether or not including a chromate or chromate-free coating, with the following specifications:
  - Thickness: 1.20mm
  - Thickness Tolerance: ± 60 μm
  - Width Tolerance: -0/+7mm
  - Tensile Strength: 41-45 kg/mm<sup>2</sup>
  - Yield Point: 26-30 kg/mm<sup>2</sup>
  - Magnetic Properties – Permeability: Thickness of 1.20mm with specification of μ≥800
  - Zn-NI alloy electroplating
  - Coating Weights: Zn = 17-24 g/m<sup>2</sup>, (if applicable) Cr = 40-70 mg/ m<sup>2</sup>
  - Chemical treatment: 0.5-1.1 g/ m<sup>2</sup>
  - Max. Deviation from horiz. flat surface of 5mm max.
  - The camber of mother coils must not be larger than 2 mm per 2000 mm in length
  - Chemical composition (%): C = 0.005 max., Si = 1.0-1.6, Mn = 0.6 max., P = 0.13 max., S = 0.03 max.

4. High strength electrolytic zinc coated silicon steel sheets and strips, whether or not including a chromate or chromate-free coating, with the following specifications:  
Thickness: 1.0mm  
Thickness Tolerance:  $\pm 50 \mu$   
Width Tolerance: -0/+7mm  
Tensile Strength: 45-49 kg/mm<sup>2</sup>  
Yield Point: 32-36 kg/mm<sup>2</sup>  
Magnetic Properties: Permeability: Thickness of 1.00mm with specification of  $\mu \geq 500$   
Zi-Ni alloy electroplating  
Coating Weights: Zn = 17-24 g/m<sup>2</sup>, (if applicable) Cr = 45-75 mg/ m<sup>2</sup>  
Max. Deviation from horiz. flat surface of 5mm max.  
The camber of mother coils must not be larger than 2 mm per 2000 mm in length  
Chemical composition (%): C = 0.005 max., Si = 1.0-1.6, Mn 0.6 max., P = 0.15 max.,  
S = 0.03 max.